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A.D. 1870, 24<sup>TH</sup> MARCH. N° 860.

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SPECIFICATION

OF

SUNDERLAND MAWSON.

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APPARATUS FOR ADMINISTERING  
NITROUS OXIDE GAS.

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LONDON:

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,

PRINTERS TO HER MAJESTY'S MOST EXCELLENT MAJESTY :

PUBLISHED AT THE GREAT SEAL PATENT OFFICE,

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1870.





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A.D. 1870, 24th MARCH. N° 860.

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## Apparatus for Administering Nitrous Oxide Gas.

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*(This Invention received Provisional Protection only.)*

**PROVISIONAL SPECIFICATION** left by Sunderland Mawson at the Office of the Commissioners of Patents, with his Petition, on the 24th March 1870.

I, SUNDERLAND MAWSON, of Bradford, in the County of York, Dentist,  
5 do hereby declare the nature of the said Invention for “**IMPROVEMENTS IN APPARATUS EMPLOYED IN THE ADMINISTRATION OF NITROUS OXIDE GAS (OR OTHER GAS THAT MAY BE INHALED) FOR INDICATING THE QUANTITY AT EACH AND EVERY INHALATION,**” to be as follows:—

This Invention relates to apparatus employed by dentists in the  
10 administration of the above-named or other suitable gas to patients previous to operations in dental or other surgery, which apparatus is constructed after the manner of ordinary illuminating gas holders; but heretofore there has been no certain or correct means of indicating or shewing the quantity of gas administered to a patient. My improve-  
15 ments in relation thereto consist of a dial or index plate, which may be either circular or rectilinear in form, properly graduated or divided, and



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*Mawson's Impts. in Apparatus for Administering Nitrous Oxide Gas.*

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provided with pointers which are actuated through the medium of wheel-work, and cord or chain conducted by pulleys and connected to the moveable part of the gas holder, whereby the quantity at each inspiration, and the total, will be clearly shewn on the said dial or plate.

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LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,  
Printers to the Queen's most Excellent Majesty. 1870.